

FIG. 1

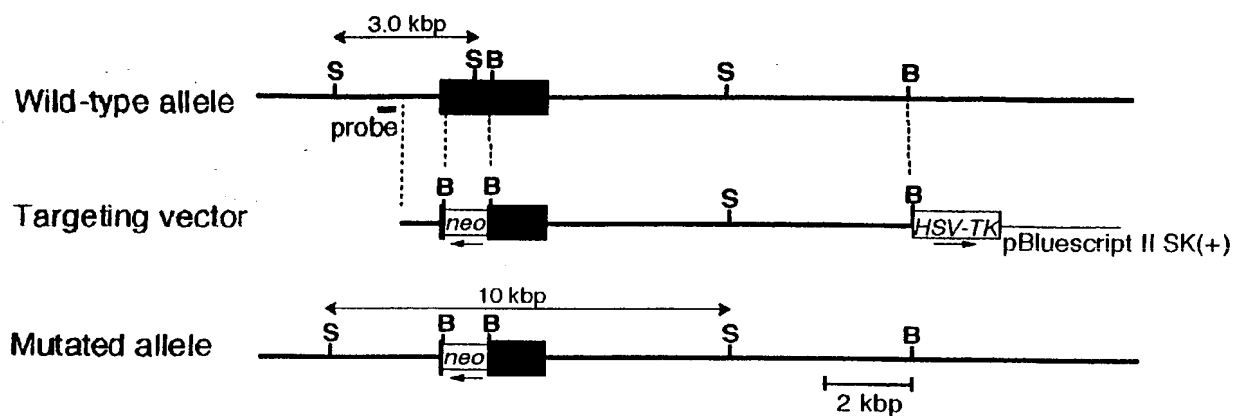


FIG. 2

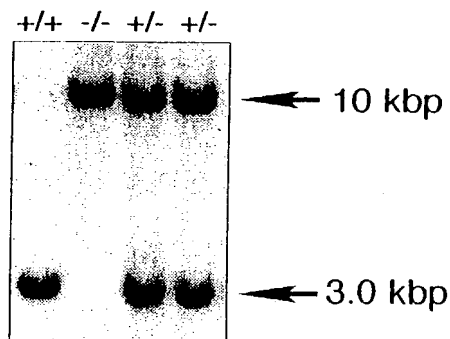
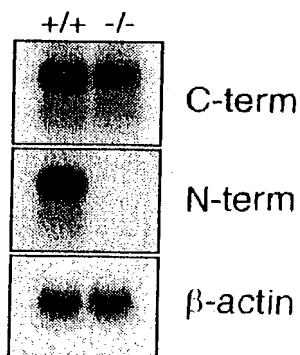


FIG. 3



	87										90					96					100					110				
+ / + :	TCC	AAC	CTG	CGG	CAG	CTG	AAC	CTC	AAG	TGG	AAC	TGT	CCA	CCC	ACT	GGC	CTT	AGC	CCC	TTG	CAC	TTC	TCT	TGC						
	S	N	L	R	Q	L	N	L	K	W	N	C	P	P	T	G	L	S	P	L	H	F	S	C						
- / - :	S	N	L	R	Q	L	N	L	K	W	I	L	S	T	C	P	R	R	I	R	T	N	D	P						
	TCC	AAC	CTG	CGG	CAG	CTG	AAC	CTC	AAG	TGG	ATT	TTG	TCC	ACC	TGT	CCT	CGA	CGG	ATC	CGA	ACA	AAC	GAC	CCA						
	87			90						96																				

	120										130													
+ / + :	CAC	ATG	ACC	ATT	GAG	CCC	AGA	ACC	TTC	CTG	GCT	ATG	CGT	ACA	CTG	GAG	GAG	CTG	AAC	CTG	AGC	TAT	AAT	GGT
	H	M	T	I	E	P	R	T	F	L	A	M	R	T	L	E	E	L	N	L	S	Y	N	G
- / - :	T	P	V	R	F	I	L	S	F	Y	C	R	S	P	Q	K	N	S	S	R	R	R	*	
	ACA	CCC	GTG	CGT	TTT	ATT	CTG	TCT	TTT	TAT	TGC	CGA	TCC	CCT	CAG	AAG	AAC	TGG	TCA	AGA	AGG	CGA	TAG	

Figure 2 Data Summary:

Top Section: Cytokine Production (ng ml⁻¹)

Cytokine	Stimulus	Wild-type (Black)	TLR9 ^{-/-} (White)
TNFα	medium	N.D.	N.D.
	IFNγ	N.D.	N.D.
	0.1	~0.2	N.D.
	0.1+IFNγ	~0.4	N.D.
	1	~0.5	N.D.
	1+IFNγ	~1.1	N.D.
IL-6	medium	N.D.	N.D.
	IFNγ	N.D.	N.D.
	0.1	~0.8	N.D.
	0.1+IFNγ	~1.5	N.D.
	1	~1.6	N.D.
	1+IFNγ	~2.6	N.D.
IL-12 p40	medium	N.D.	N.D.
	IFNγ	N.D.	N.D.
	0.1	~0.8	N.D.
	0.1+IFNγ	~0.9	N.D.
	1	~0.5	N.D.
	1+IFNγ	~1.0	N.D.

Bottom Section: TNFα Production (ng ml⁻¹)

Stimulus	Wild-type (Black)	TLR9 ^{-/-} (White)
medium	N.D.	N.D.
IFNγ	N.D.	N.D.
PGN 10	~2.0	~2.5
10+IFNγ	~4.0	~4.5
LPS 1	~1.8	~1.5
1+IFNγ	~2.8	~2.5

Legend: Black bars = Wild-type; White bars = TLR9^{-/-}. Error bars represent standard deviation. N.D. = Not Determined.

FIG. 6

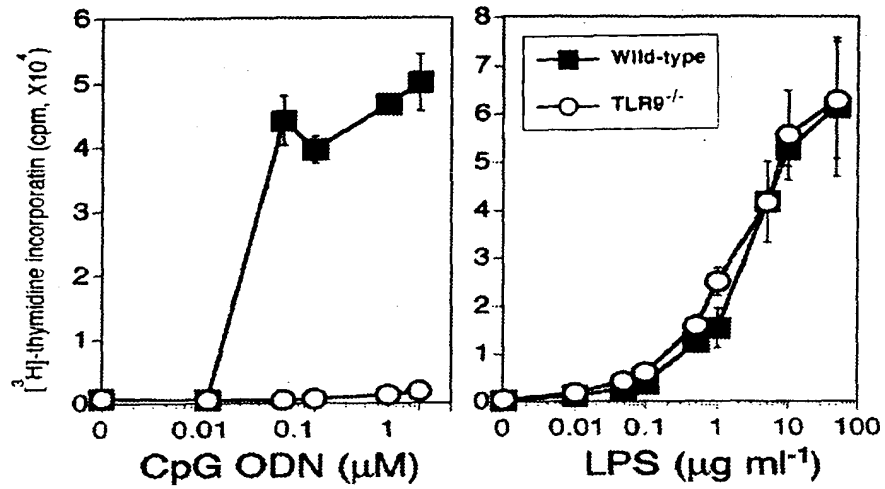


FIG. 7

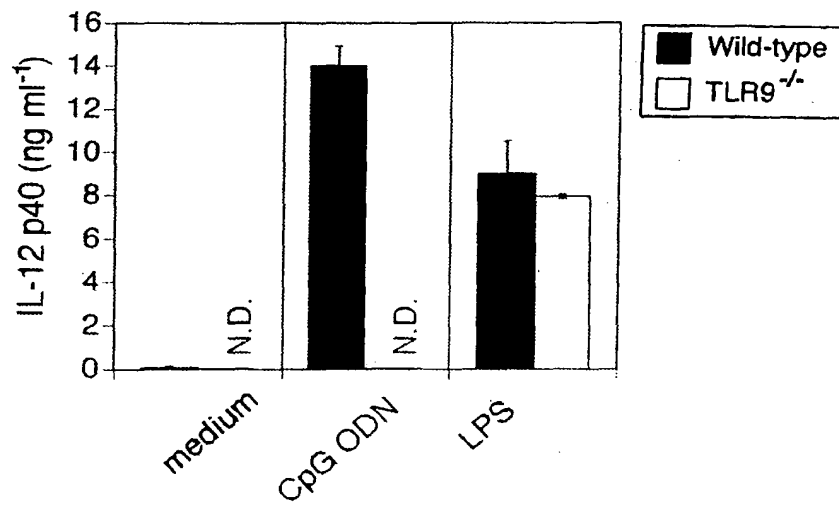


FIG. 8

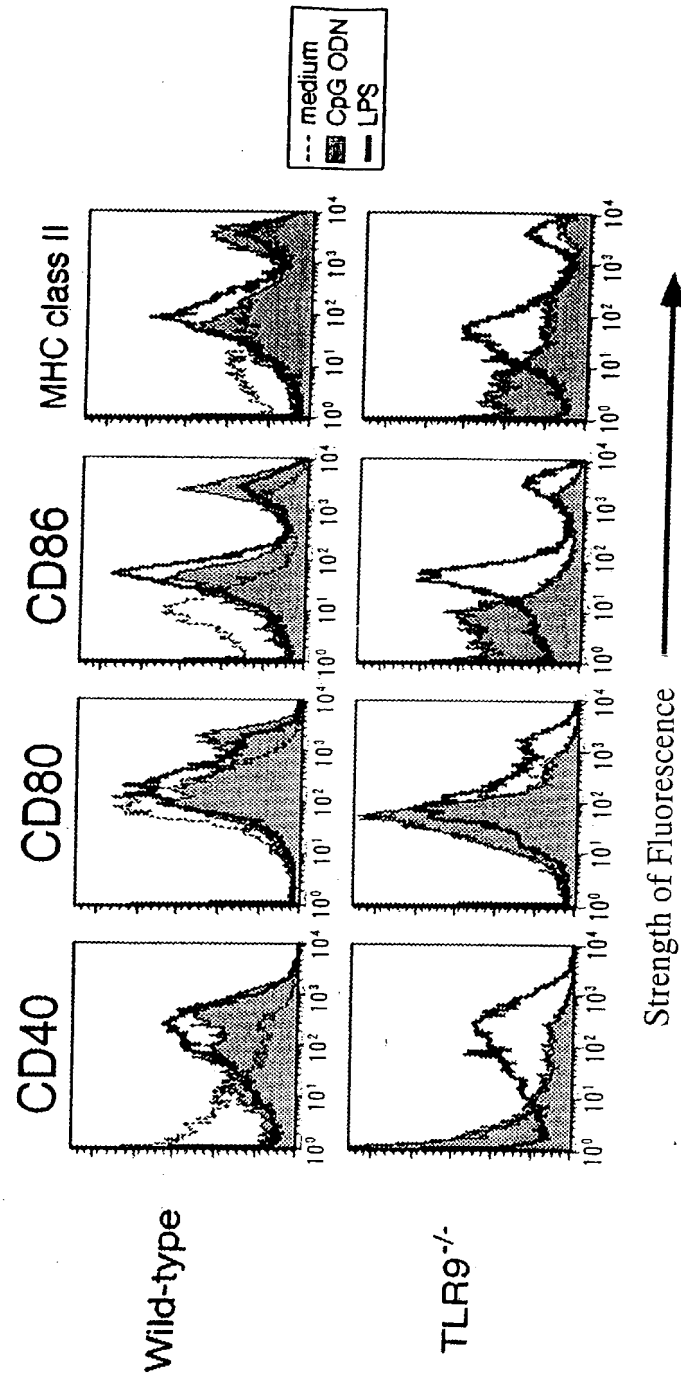


FIG. 9

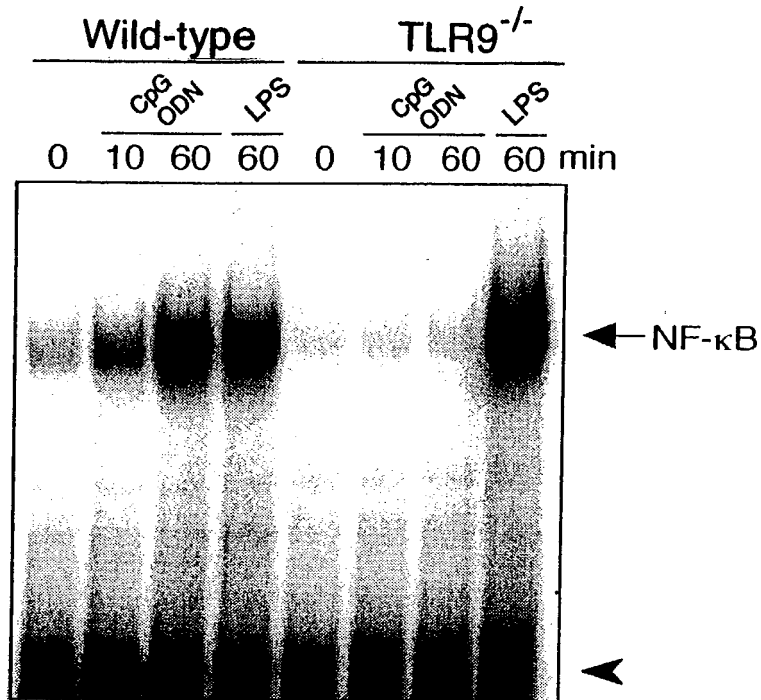


FIG. 10

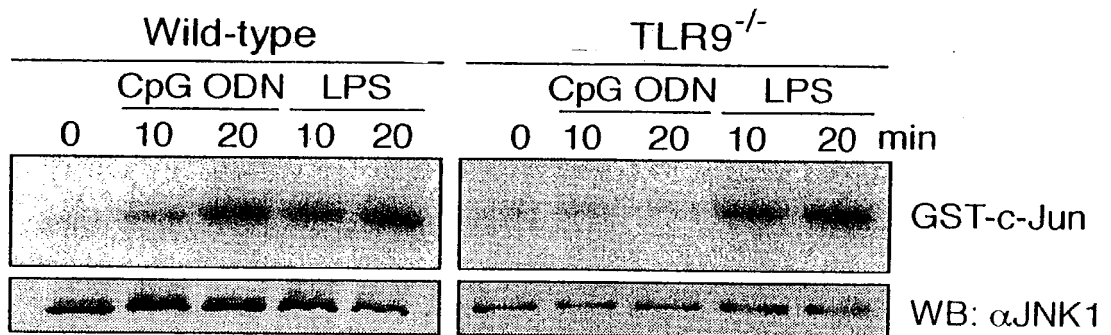


FIG. 11

